

## United States Patent and Trademark Office

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandria, Virginia 22313-1450 www.uspto.gov



Bib Data Sheet

**CONFIRMATION NO. 5812** 

SERIAL NUMBER 10/665,523 RULE  09/22/2003 RULE  174  2891  DOCKET N 503.34065C  APPLICANTS  Kazuji Yamada, Hitachi-shi, JAPAN; Akira Tanaka, Hitachi-shi, JAPAN; Ryuichi Saito, Hitachi-shi, JAPAN; Yasuboshi Kurihara, Hitachi-shi, JAPAN; Takashi Haramaki, Naka-gun, JAPAN; Takashi Haramaki, Naka-gun, JAPAN; Takashi Hosokawa, Tokyo, JAPAN; Mamoru Sawahata, Hitachi-shi, JAPAN; Masahiro Koizumi, Hitachi-shi, JAPAN; Masahiro Koizumi, Hitachi-shi, JAPAN; In Onuki, Hitachi-shi, JAPAN; Isao Kobayashi, Naka-gun, JAPAN; Isao Kobayashi, Naka-gun, JAPAN; Hideo Shimizu, Hitachi-shi, JAPAN; Nobuya Koike, Takasaki-shi, JAPAN; Nobuya Koike, Takasaki-shi, JAPAN; Hidey Kokubun, Takahagi-shi, JAPAN; Hidey Kokubun, Takahagi-shi, JAPAN;  **CONTINUING DATA**  **CONTINUING DATA**  This application is a CON of 10/101,463 03/20/2002 ABN which is a DIV of 08/539,075 10/04/1995 PAT 5,956 331  **FOREIGN APPLICATIONS** JAPAN 6-326633 12/28/1994 JAPAN 7-2818 01/11/1995  IF REQUIRED, FOREIGN FILING LICENSE GRANTED  **12/12/2003  Foreign Priority claimed 35 USC 119 (a-d) conditions	Bib Data Sheet		_				
Kazuji Yamada, Hitachi-shi, JAPAN; Akira Tanaka, Hitachi-shi, JAPAN; Ryuichi Saito, Hitachi-shi, JAPAN; Yasutoshi Kurihara, Hitachinaka-shi, JAPAN; Tadao Kushima, Naka-gun, JAPAN; Takashi Haramaki, Naka-gun, JAPAN; Takashi Haramaki, Naka-gun, JAPAN; Takashi Hosokawa, Tokyo, JAPAN; Takashi Hosokawa, Tokyo, JAPAN; Mamoru Sawahata, Hitachi-shi, JAPAN; Masahiro Koizumi, Hitachi-shi, JAPAN; Jin Onuki, Hitachi-shi, JAPAN; Kazuhiro Suzuki, Mito-shi, JAPAN; Kazuhiro Suzuki, Mito-shi, JAPAN; Hideo Shimizu, Hitachi-shi, JAPAN; Shigeki Sekine, Hitachi-shi, JAPAN; Nobuya Koike, Takasaki-shi, JAPAN; Hideya Kokubun, Takahagi-shi, JAPAN; Hideya Kokubun, Takahagi-shi, JAPAN; Hideya Kokubun, Takahagi-shi, JAPAN;  ****CONTINUING DATA***  This application is a CON of 10/101,463 03/20/2002 ABN which is a CON of 09/385,632 08/27/1998 of 4,34,008 which is a DIV of 08/539,075 10/04/1995 PAT 5,956 31  ****FOREIGN APPLICATIONS*** JAPAN 6-326640 12/28/1994 JAPAN 6-326640 12/28/1994 JAPAN 7-2818 01/11/1995  IF REQUIRED, FOREIGN FILING LICENSE GRANTED  ****12/12/2003  Foreign Priority claimed JAPAN 3-0540 12/28/1994 JAPAN 6-326640 12/28/1994 JAPAN 6-326630 12/28/1994 JAPAN 6-326640 12/28/1994		<b>DATE</b> 09/22/2003			ם ויואכ	ATTORNEY OCKET NO. 03.34065CV4	
Akira Tanaka, Hitachi-shi, JAPAN; Ryuichi Saito, Hitachi-shi, JAPAN; Yasutoshi Kurihara, Hitachinaka-shi, JAPAN; Tadao Kushima, Naka-gun, JAPAN; Takashi Haramaki, Naka-gun, JAPAN; Takashi Hosokawa, Tokyo, JAPAN; Mamoru Sawahata, Hitachi-shi, JAPAN; Masahiro Koizumi, Hitachi-shi, JAPAN; Masahiro Koizumi, Hitachi-shi, JAPAN; Jin Onuki, Hitachi-shi, JAPAN; Kazuhiro Suzuki, Mito-shi, JAPAN; Kazuhiro Suzuki, Mito-shi, JAPAN; Hideo Shimizu, Hitachi-shi, JAPAN; Shigeki Sekine, Hitachi-shi, JAPAN; Nobuya Koike, Takasaki-shi, JAPAN; Nobuya Koike, Takasaki-shi, JAPAN; Nobuya Koike, Takasaki-shi, JAPAN; Hideya Kokubun, Takahagi-shi, JAPAN; Nobuya Koike, Takasaki-shi, JAPAN; Hideya Kokubun, Takahagi-shi, JAPAN; Nobuya Koike, Takasaki-shi, JAPAN; Nobuya					<u>.</u>		
JAPAN 6-326640 12/28/1994 JAPAN 7-2818 01/11/1995  IF REQUIRED, FOREIGN FILING LICENSE GRANTED  ** 12/12/2003  Foreign Priority claimed	Akira Tanaka, H Ryuichi Saito, H Yasutoshi Kurihi Tadao Kushima Takashi Harama Yoshihiko Koike Takashi Hosoka Mamoru Sawahi Masahiro Koizur Jin Onuki, Hitacl Kazuhiro Suzuki Isao Kobayashi, Hideo Shimizu, Yutaka Higashin Shigeki Sekine, Nobuya Koike, T Hideya Kokubur  ** CONTINUING DATA This application 6,434,008	itachi-shi, JAPAN; itachi-shi, JAPAN; ara, Hitachinaka-shi, JAPAN; Naka-gun, JAPAN; ki, Naka-gun, JAPAN; Wa, Tokyo, JAPAN; wa, Tokyo, JAPAN; ata, Hitachi-shi, JAPAN; Naka-gun, JAPAN; Naka-gun, JAPAN; Hitachi-shi, JAPAN; Hitachi-shi, JAPAN; Naka-gun, JAPAN; Naka	I; IN; * 3 03/20/2002 ABN whi	ch is a CON of 0	, 9/385,632 0	8/27/1998 PAT	
JAPAN 6-326640 12/28/1994 JAPAN 7-2818 01/11/1995  IF REQUIRED, FOREIGN FILING LICENSE GRANTED  ** 12/12/2003  Foreign Priority claimed	** FOREIGN APPLICATIONS ************************************						
** 12/12/2003  Foreign Priority claimed	JAPAN 6-326640 12/28/1994						
35 USC 119 (a-d) conditions Lives from Metafter met Verified and Acknowledged Examiner's Signature Initials  ADDRESS 020457	IF REQUIRED, FOREIGN FILING LICENSE GRANTED ** 12/12/2003						
020457	35 USC 119 (a-d) conditions met Verified and	yes not Meter	COUNTRY JAPAN	DRAWING	CLAIMS	INDEPENDENT CLAIMS 3	
TITI E		U					
TITLE							
Circuit board							

RECEIVED	FEES: Authority has been given in Paper	☐ All Fees		
		1.16 Fees ( Filing )		
		1.17 Fees ( Processing Ext. of time )		
		☐ 1.18 Fees ( Issue )		
		Other		
		☐ Credit		